

1/529655

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
15 April 2004 (15.04.2004)

PCT

(10) International Publication Number  
WO 2004/031354 A2

(51) International Patent Classification: C12N

(21) International Application Number:  
PCT/US2003/030870

(22) International Filing Date:  
30 September 2003 (30.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
10/260,708 30 September 2002 (30.09.2002) US

(71) Applicant (for all designated States except US): LUDWIG  
INSTITUTE FOR CANCER RESEARCH [CH/US];  
605 Third Avenue, New York, NY 10158 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SCANLAN,  
Matthew, J. [US/US]; Ludwig Institute for Cancer Re-  
search, 605 Third Avenue, New York, NY 10158 (US).  
LEE, Sang-Yull [US/US]; Ludwig Institute for Cancer

Research, 605 Third Avenue, New York, NY 10158 (US).  
OLLY, Lloyd, J. [US/US]; Ludwig Institute for Cancer  
Research, 605 Third Avenue, New York, NY 10158 (US).

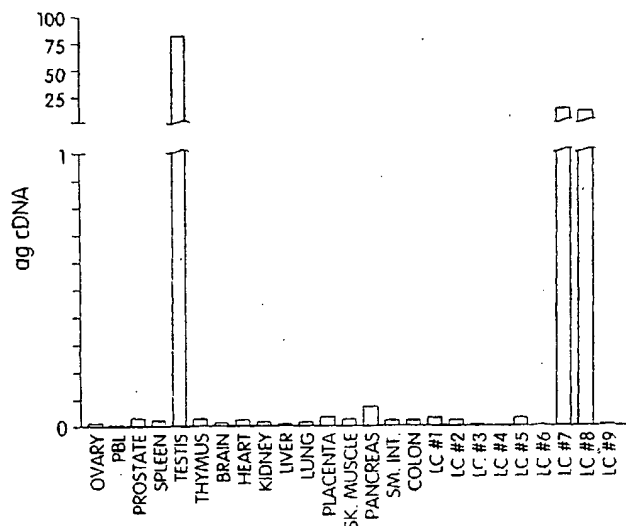
(74) Agent: VAN AMSTERDAM, John, R.; Wolf, Greenfield  
& Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02210  
(US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BC, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,  
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,  
UG, US, UZ, VC, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: HUMAN SARCOMA-ASSOCIATED ANTIGENS



(57) Abstract: The invention relates to sarcoma-associated antigens and the nucleic acid molecules that encode them. The invention further relates to the use of the nucleic acid molecules, polypeptides and fragments thereof associated with sarcoma in methods and compositions for the diagnosis and treatment of diseases, such as cancer. More specifically, the invention relates to the discovery of a novel cancer/testis (CT) antigen, NY-SAR-35.

BEST AVAILABLE COPY

WO 2004/031354 A2



**Published:**

— without international search report and to be republished upon receipt of that report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*